

follows his whole system, then more or less satisfactory on macroscopic levels. A modern revision of the aristotelian system or the building of a non-aristotelian system involves, or is based on, similar aims; namely, the formulation of a *general method* not only for scientific work, but also life, as we know it *today* (1941).

Modern scientific developments show that what we label 'objects' or 'objective' are mere nervous constructs inside of our skulls which our nervous systems have abstracted electro-colloidally from the actual world of electronic processes on the sub-microscopic level. And so we have to face a complete methodological departure from two-valued, 'objective' orientations to *general, infinite-valued, process orientations*, as necessitated by scientific discoveries for at least the past sixty years.

The aim of the work of Aristotle and the work of the non-aristotelians is similar, except for the date of our human development and the advance of science. The problem is whether we shall deal with science and scientific methods of 350 B.C. or of 1941 A.C. In general semantics, in building up a non-aristotelian system, the aims of Aristotle are preserved yet scientific methods are brought up to date.

Section D. A non-aristotelian revision.

In an attempt to convey the magnitude of the task we are now confronting, I can do no better than to summarize roughly in the following tabulation some of the more outstanding points of difference between the aristotelian system as it shapes our lives today, *and is lived by*; and a scientific, non-aristotelian system, as it will, perhaps, guide our lives sometime in the future.

OLD ARISTOTELIAN ORIENTATIONS (circa 350 B.C.)	NEW GENERAL SEMANTIC NON-ARISTOTELIAN ORIENTATIONS (1941 A.C.)
1. Subject-predicate methods	Relational methods
2. Symmetrical relations, inadequate for proper <i>evaluation</i>	Asymmetrical relations, indispensable for proper <i>evaluation</i>
3. <i>Static</i> , 'objective', 'permanent', 'substance', 'solid matter', etc., orientations	<i>Dynamic</i> , ever-changing, etc., electronic <i>process</i> orientations
4. 'Properties' of 'substance', 'attributes', 'qualities' of 'matter,' etc.	Relative invariance of function, dynamic structure, etc.
5. Two-valued, 'either-or', inflexible, dogmatic orientations	Infinite-valued flexibility, degree orientations
6. Static, finalistic ' <i>allness</i> '; finite number of characteristics attitudes	Dynamic <i>non-allness</i> ; infinite number of characteristics attitudes

ARISTOTELIAN ORIENTATIONS	NON-ARISTOTELIAN ORIENTATIONS
7. <i>By definition</i> 'absolute sameness in "all" respects' ('identity')	<i>Empirical</i> non-identity, a natural law as universal as gravitation
8. Two-valued 'certainty', etc.	Infinite-valued maximum probability
9. Static absolutism	Dynamic relativism
10. <i>By definition</i> 'absolute emptiness', 'absolute space', etc.	<i>Empirical</i> fullness of electro-magnetic, gravitational, etc., fields
11. <i>By definition</i> 'absolute time'	<i>Empirical</i> space-time
12. <i>By definition</i> 'absolute simultaneity'	<i>Empirical</i> relative simultaneity
13. Additive ('and'), linear	Functional, non-linear
14. (3 + 1)-dimensional 'space' and 'time'	4-dimensional space-time
15. Euclidéan system	Non-euclidean systems
16. Newtonian system	Einsteinian or non-newtonian systems
17. 'Sense' data predominant	Inferential data as fundamental new factors
18. Macroscopic and microscopic levels	<i>Sub</i> -microscopic levels
19. Methods of magic (self-deception)	Elimination of self-deception
20. Fibers, neurons, etc., 'objective' orientations	Electro-colloidal <i>process</i> orientations
21. Eventual 'organism-as-a-whole', disregarding environmental factors	Organism-as-a-whole- <i>in-environments</i> , introducing new unavoidable factors
22. Elementalistic <i>structure</i> of language and orientations	Non-elementalistic <i>structure</i> of language and orientations
23. 'Emotion' and 'intellect', etc.	Semantic reactions
24. 'Body' and 'mind', etc.	Psychosomatic integration
25. Tendency to split 'personality'	Integrating 'personality'
26. Handicapping nervous integration	Producing automatically thalamo-cortical integration
27. Intensional <i>structure</i> of language and orientations, perpetuating:	Extensional <i>structure</i> of language and orientations, producing:
28. Identifications in value: <ul style="list-style-type: none"> a) of electronic, electro-colloidal, etc., stages of processes with the silent, non-verbal, 'objective' levels b) of individuals, situations, etc. c) of orders of abstractions 	Consciousness of abstracting Extensional devices
29. Pathologically reversed order of evaluation	Natural order of evaluation
30. Conducive to neuro-semantic tension	Producing neuro-semantic relaxation

ARISTOTELIAN ORIENTATIONS	NON-ARISTOTELIAN ORIENTATIONS
31. Injurious psychosomatic effects	Beneficial psychosomatic effects
32. Influencing toward un-sanity	Influencing toward sanity
33. 'Action at a distance', metaphysical false-to-fact orientations	'Action by contact', neuro-physiological scientific orientations
34. Two-valued causality, and so consequent 'final causation'	Infinite-valued causality, where the 'final causation' hypothesis is not needed
35. Mathematics derived from 'logic', with resulting verbal paradoxes	'Logic' derived from mathematics, eliminating verbal paradoxes
36. Avoiding empirical paradoxes	Facing empirical paradoxes
37. Adjusting empirical facts to verbal patterns	Adjusting verbal patterns to empirical facts
38. Primitive static 'science' (religions)	Modern dynamic 'religions' (science)
39. Anthropomorphic	Non-anthropomorphic
40. <i>Non-similarity of structure</i> between language and facts	<i>Similarity of structure</i> between language and facts
41. Improper evaluations, resulting in:	Proper evaluations, tested by:
42. Impaired predictability	Maximum predictability
43. <i>Disregarded</i>	Undefined terms
44. <i>Disregarded</i>	Self-reflexiveness of language
45. <i>Disregarded</i>	Multiordinal mechanisms and terms
46. <i>Disregarded</i>	^{Over} _{Under} -defined character of terms
47. <i>Disregarded</i>	Inferential <i>terms as terms</i>
48. <i>Disregarded</i>	Neuro-linguistic environments considered as environment
49. <i>Disregarded</i>	Neuro-semantic environments considered as environment
50. <i>Disregarded</i>	Decisive, automatic effect of the <i>structure of language</i> on types of evaluation, and so neuro-semantic reactions
51. Elementalistic, verbal, intensional 'meaning', or still worse, 'meaning of meaning'	Non-elementalistic, extensional, by fact <i>evaluations</i>
52. Antiquated	Modern, 1941

THE NEW NON-ARISTOTELIAN ORIENTATIONS DIFFER AS MUCH FROM THE ARISTOTELIAN AS THE ARISTOTELIAN DIFFER FROM THE PRIMITIVE TYPES OF EVALUATION.